AT-S95 Version 2.0.0.25
AT-8000GS Switch
Software Release Notes

Please read this document before you begin to use the management software.

The following topics are included in this document

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Supported Platforms

The following platforms are included in the AT-8000GS family of devices:

- AT-8000GS/24 switch— 24 GE ports with modular configuration 4 x combo 10/100/1000 SFP ports and 2 HDMI interface 5G stacking ports.
- AT-8000GS/24POE switch— 24 GE ports with modular configuration 4 x combo 10/100/1000 SFP Combo ports and 2 HDMI interface 5G stacking ports, with support for Power over Ethernet; class 2 devices (max 7.3W) on all ports or class 3 devices (max 15.4W) on 12 ports.
- AT-8000GS/48 switch— 48 GE ports with modular configuration 4 x combo 10/100/1000 SFP Combo ports and 2 HDMI interface 5G stacking ports.

Caution
Insure that the latest Boot Loader (Version 2.0.0.1) is installed on your AT-8000GS switch or stack of switches before you upgrade the Management software to Version 2.0.0.25.

The AT-8000GS/24, AT-8000GS/24POE, and AT-8000GS/48 switches can be combined together in a six-unit high stack.

What's New in Version 2.0.0.25

Newly Introduced Feature

None

Resolved Issues

- **DNS:** DNS behavior was previously inconsistent and is now corrected. (CQ130199 ATI285)
- **IGMP ACL:** IGMP ACL was not applied properly and this behavior is now corrected. (CQ 123252 ATI256)

Known Issues

The following known issues are present in the current release of the resolved in AT-S95 software:

- Default VLAN - Disabling the default VLAN is not allowed in this release, according to the device specifications. As a part of backward compatibility support, upgrading a device which has the default VLAN disabled on it to latest version will succeed. Relevant errors for compatibility of configuration are displayed.
- Compatibility - To allow proper support of backward and forward compatibility switching between the old and new images using an existing configuration file (created on an older version) should be done by 'reload'.
- Port Mirroring - Target port that is configured to 802.1x Auto should not send EAP packets. This is a minor issue as it does not undermine functionality or performance.
- QoS: Egress Tagged Port send frames with default user priority 1 instead 0.
- Stack: Master and backup are 24 ports non PoE, slave unit 3 is 48 ports. When reloading unit 2 the master reboots rarely.
- DHCP Option 82: the device doesn't recognize option 82 fields that refer to the device itself (to the internal interface). Instead of getting an IP address, the device removes the option 82 field (which is actually correct) and then it transmits the traffic to the trusted ports.
- MAC Support: Max 1K MAC Addresses can be configured as delete-on-timeout/reset.
- Statistics: Received packets are not increased in the RMON statistics.
- Security (port lock): Port security mechanism is not triggered for MAC violation if MAC is learned on another locked port as a secured MAC address.
- Mac authentication - MAC auth. fails if the default of the radius server is not md5. Recommended User Work around: Use md5 as default of the radius server.

Upgrade Procedure

This section describes how to upgrade the AT-S95 bootloader and software to the latest version using both the CLI and web interfaces. See the following subsections:

- ❒ "Upgrading the AT-S95 Bootloader Code and Software with the CLI" on page 3
- ❒ "Upgrading the AT-S95 Bootloader and Software with the Web Browser Interface" on page 4

Allied Telesis strongly recommends that you upgrade your switch's boot loader to the latest version, version 2.0.0.1 before you perform this software upgrade. You can perform both upgrades using either the command line or web interface.

Upgrading the AT-S95 Bootloader Code and Software with the CLI

To upgrade the AT-S95 bootloader code and management software to the latest version with the command line interface, do the following:

1. Display the current version of AT-S95 software. Enter:

   ```
   console# show version
   ```

   The following is an example display of this command:

   ```
   SW version 2.0.0.22 ( date 12-Oct-2009 time 11:12:14 )
   Boot version 1.0.0.10 ( date 14-Jan-2009 time 10:07:33 )
   HW version 00.00.10
   ```

2. Upgrade the bootloader. Enter:

   ```
   console# copy tftp://192.168.1.200/ati8000gs_boot-2001.rfb boot
   ```

   Confirmation messages are displayed.

3. Upgrade the AT-S95 software. Enter:

   ```
   console# copy tftp://192.168.1.200/ats95-20025.ros image
   ```

   Confirmation messages are displayed.

4. To display the images loaded on the switch. Enter:

   ```
   console# show bootvar
   ```

   The following is an example display of this command:

   ```
   Image   Filename   Version    Date                    Status
   -----   --------   --------   --------------------    --------
   1       image-1    2.0.0.25   08-Apr-2011   14:59:49   Not active
   2       image-2    2.0.0.22   12-Oct-2009   11:12:14   Active*
   ```

   ```
   "*" designates that the image was selected for the next boot
   ```

5. Change the active software image for the next system boot of the switch. Enter:

   ```
   console# boot system image-1
   ```

6. Reboot the device with the following command:

   ```
   console# reload
   ```

   This command causes the switch to reboot. By the end of the reboot process, the final code drop will be running.

> **Note**
> To upgrade stacked AT-8000GS switches, see the *AT-S95 Management Software CLI User's Guide* for instructions.

Upgrading the AT-S95 Bootloader and Software with the Web Browser Interface

To upgrade the AT-S95 bootloader and management software to the latest version with the web browser interface, do the following:

1. From the bookmarks on the left side of the page, select the Utilities tab. See Figure 1.

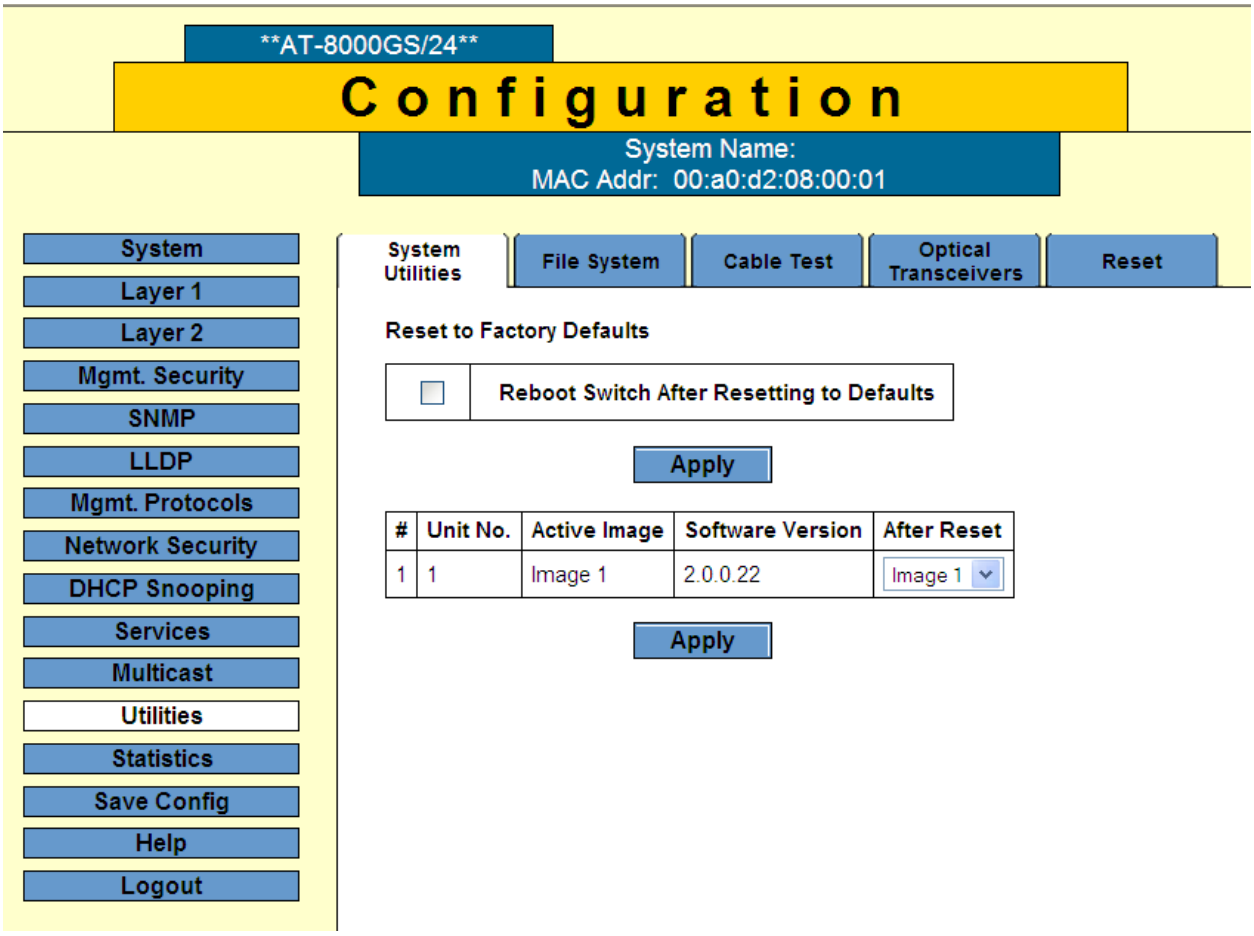

Figure 1. Utilities Tab

2. Select the File System tab from the top of the page.

   The File System tab is displayed. See Figure 2 on page 5.

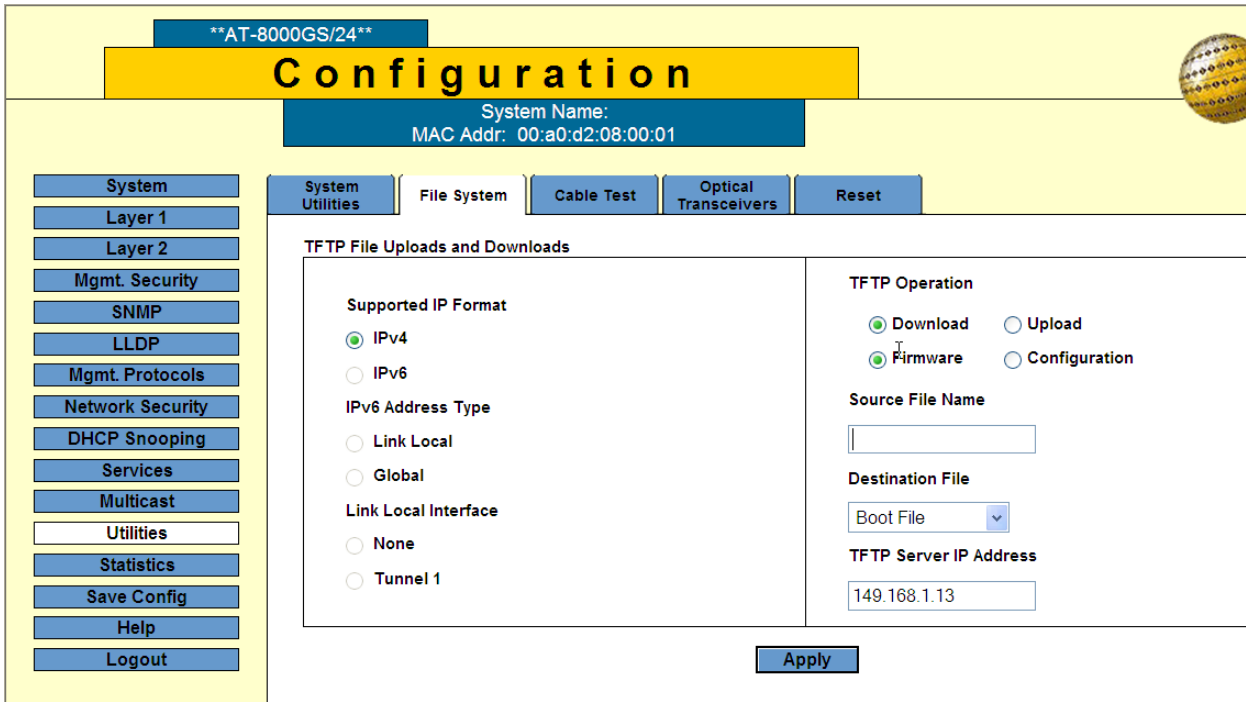

Figure 2. File System Tab

3. Select the type of TFTP operation to perform. Click both of the following:
   - ❒ Download
   - ❒ Firmware
4. In the Source File Name field, type the bootloader filename:

   ati8000gs_boot-2001.rfb
5. From the pull down menu under the Destination File heading, select **Bootfile**.
6. Enter the IP address of the TFTP server in the TFTP Server IP Address heading.
7. Click **Apply**.

   The Copy Finished Popup window is displayed. See Figure 3.

Figure 3. Copy Finished Popup Window

8. Click **OK**.
9. In the Source File Name field, type the filename of the AT-S95 image:

   ats95-20025.ros
10. From the pull down menu under the Destination File field, select **Software Image**.
11. Click **Apply**.

    The Copy Finished popup window is displayed. See Figure 3 on page 5.
12. Click **OK**.
13. Select the **System Utilities** tab. See Figure 4.

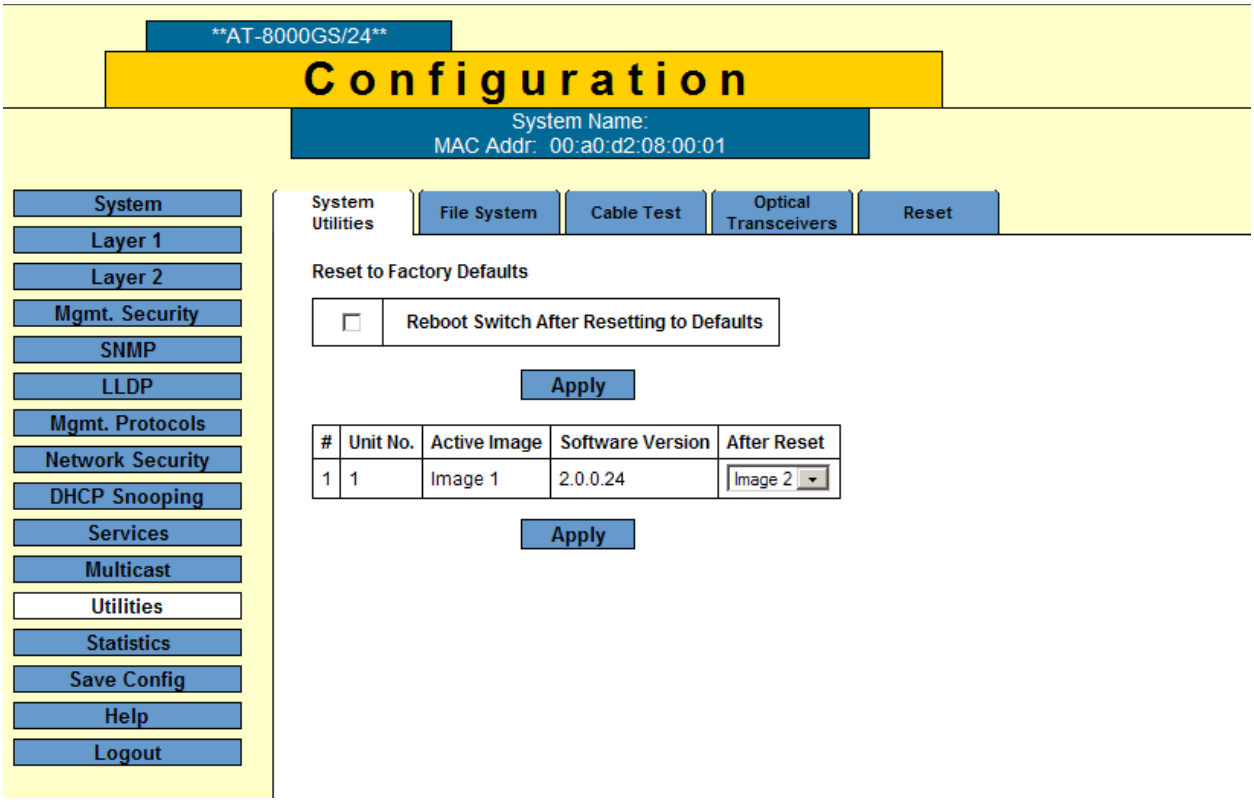

Figure 4. System Utilities Tab after Image 2 has been Loaded

14. In the After Reset column, select **Image 2** from the pull-down menu.
15. Click **Apply**.
16. To reboot the device, click the Reset Tab at the top of the page.

    The Reset window is displayed.

17. Click the **Reset** button.

    The switch is rebooted.

Product Documentation

For hardware installation instructions for the AT-8000GS switches, refer to the following manual:

- *AT-8000GS Series Stackable Gigabit Ethernet Switches Installation Guide*

For software management instructions, refer to the following manuals:

- *AT-S95 Management Software CLI User's Guide*
- *AT-S95 Management Software Web Browser Interface User's Guide*

These documents are available for on the Allied Telesis website at available at **www.alliedtelesis.com/support/software/**. Once you access the web site, enter the hardware product model in the **Search by Product Name** field; for example, enter "AT-8000GS/24." Then click **Find.** You can view the documents online or download them onto your local workstation or server.

Where to Find Product Information and Management Software Updates

Both the product documentation and the management software updates for all Allied Telesis products are available on our web site at **http://www.alliedtelesis.com/support**.

Once you access the web site, enter the hardware product model of your switch in the Search by Product Name field, for example, enter "AT-8000GS/24." Then click **Find**. You can view the documents online or download them onto your local workstation or server.

The software is available for download at **http://www.alliedtelesis.com/ support/software/ restricted/**. You must have an account to access this site. If you do not have an account, then click on the "create an account" link.

History of Previous Versions

History of Resolved Issues

Version 2.0.0.24

- In some cases where more than one switch has the same STP Bridge Priority value in a network, the switch with the higher MAC address would be elected as the STP root bridge. This issue has been resolved.
- After a switch is operation for a period of time, it may stop forwarding traffic on some ports and does not provide link up/down indications for those ports. This issue has been resolved.

Issues Resolved Before Version 2.0.0.24

- SNMP— Added support for SNMP trap when master stack unit is down (CQ 00114211 ATI 161).
- udp-mib— The definition for udpHCGroup has been commented out (CQ 119274).

- rlpoe.mib— The issue with the incorrect module name has been resolved (CQ 118709 ATI 221).
- Reauthentication— The issue with the PC beginning reauthentication after 30 seconds has been resolved (00117490).
- NAP— The Network Access Protection (NAP) issue has been resolved (00117491).
- LLDP— Operation MAU type in LLDP-MED MAC/PHY TLV, “the MAU type is 0 instead of 16” issue has been resolved (CQ 117574).
- LLDP— Resolved LLDP issue when there are more than 30 LLDP-MED endpoints (CQ 121243).
- IGMP Snooping— The no free timer issue with the IGMPSNOOPP_timer_create command has been resolved (CQ 121102).
- Web— The AT-8000GS/24 web interface fiber port link indicator has been fixed (CQ 122342).
- Online Help— Issue with the device help has been resolved (CQ 119900).

SW2M: ABORT DATA exception has been resolved (CQ 122564).

History of New Features

The Dot1x Legacy Compliant feature is advanced 802.1x configuration enabling support for non-compliant 802.1x devices such as Windows XP SP2. See Table 1 for a description of the dot1x legacy command that was introduced in this release.

Table 1: New Command Description

CLI Command	Description
dot1x legacy-supp-mode	Use the dot1x legacy-supp-mode interface configuration command in multiple sessions mode to enable the 802.1x switch to send periodic EAPOL requests and identify frames according to the tx timeout period. This is the default behavior.

Contacting Allied Telesis

This section provides Allied Telesis contact information for technical support as well as sales and corporate information.

Online Support

You can request technical support online by accessing the Allied Telesis Knowledge Base: **www.alliedtelesis.com/support**. You can use the Knowledge Base to submit questions to our technical support staff and review answers to previously asked questions.

Email and Telephone Support

For Technical Support via email or telephone, refer to the Support & Services section of the Allied Telesis web site: **www.alliedtelesis.com/support**. Select your country from the list displayed on the website. then select the appropriate menu tab.

Warranty

For hardware warranty information, refer to the Allied Telesis web site: **www.alliedtelesis.com/support**.

Returning Products

Products for return or repair must first be assigned a return materials authorization (RMA) number. A product sent to Allied Telesis without an RMA number will be returned to the sender at the sender's expense. To obtain an RMA number, contact the Allied Telesis Technical Support group at our web site: **www.alliedtelesis.com/support**. Select your country from the list displayed on the website. Then select the appropriate menu tab.

Sales or Corporate Information

You can contact Allied Telesis for sales or corporate information through our web site: **www.alliedtelesis.com**. To find the contact information for your country, select Contact Us.

Management Software Updates

New releases of management software for our managed products are available on our Allied Telesis web site at **http://www.alliedtelesis.com/support**.

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